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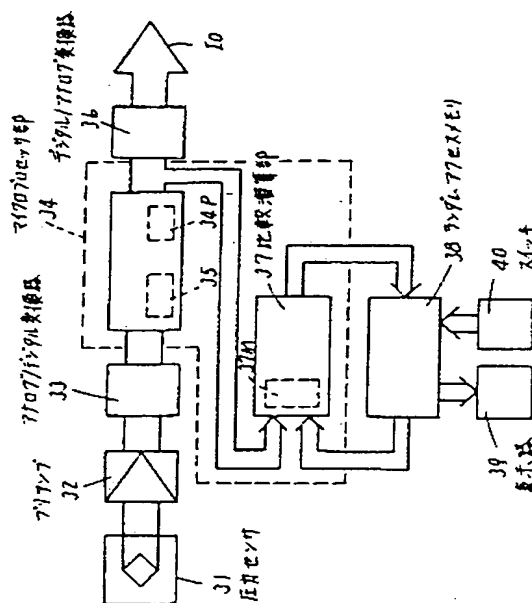
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TITLE : PRESSURE TRANSMITTER



ABSTRACT : PURPOSE: To enable this pressure transmitter to predict its own life with simple constitution without providing an environment sensor, etc., separately by comparing the pressure signal obtained by a signal processing part with a specific value and storing and displaying pressure information according to the comparison result.

CONSTITUTION: The pressure measured by a pressure sensor 31 is converted into a corresponding pressure signal, which is digitized by an A/D converter 32 and outputted to a microprocessor part 34. The microprocessor part 34 incorporates a microprocessor 34P and a ROM 35 and an output signal processed in the control of the microprocessor is D/A-converted and sent as a current signal to a load. The output signal processed by the microprocessor part 34 is compared by a comparative arithmetic part 37 with data stored in a RAM 38, the pressure data is updated at specific intervals of time, and pressure which is larger than last measured pressure is displayed as maximum pressure on a display unit 39. This maximum pressure is left as history data for life calculation.

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